

ROCK RIDGE HIGH SCHOOL

“Home of the Phoenix”
43460 Loudoun Reserve Drive
Ashburn, VA 20148
Phone: 703-996-2107
Fax: 703-996-2108
CEEB/ACT: 470-140
www.lcps.org/rrhs
Principal: John Duellman



SCHOOL/COMMUNITY INFORMATION

Rock Ridge High School is a comprehensive high school located in a suburban community 25 miles northwest of Washington, D.C. Opened in 2014, this public high school includes grades 9-12 and is in Loudoun County, one of the country's and Virginia's fastest growing counties.

Rock Ridge High School is accredited by the Southern Association of Colleges and Secondary Schools and the Virginia Board of Education. Rock Ridge High School is a member of the National Association of College Admission counselors and complies with the NACAC Statement of Principles and Good Practice.

POST-HIGH SCHOOL

EDUCATION: Class of 2020

4-year college.....	74%
2-year college.....	17%
Other education, military.....	4%
Work.....	4%

SAT MEAN SCORES(class of 2019)

	EBRW	Math	Total
National	536	531	1068 (2018)
State	567	550	1117 (2018)
RRH	608	606	1215 (2019)

ACT AVERAGE SCORES, (Class of 2019)

Composite Score

National.....	20.8
State.....	24.0
RRHS.....	26.1

GRADUATION REQUIREMENTS

Advanced Studies Diploma Required Units

English.....	4
Math.....	4
Social Studies.....	4
Laboratory Science.....	4
World Language.....	3
Health and Physical Education.....	2
Fine Art or CTE.....	1
Economics & Personal Finance.....	1
Electives.....	3

Total Credits (9 Verified Units of Credit)..... 26

Standard Diploma Required Units

English.....	4
Math.....	3
Social Studies.....	3
Laboratory Science.....	3
Health and Physical Education.....	2
World Language, Fine Art or CTE.....	2
Economics & Personal Finance.....	1
Electives.....	4

Total Credits (6 Verified Units of Credit)..... 22

CURRICULUM INFORMATION

English: AP English Literature and Composition, AP English Language and Composition English 12 DE

Math: AP Computer Science A, AP Calculus AB, AP Calculus BC, AP Statistics,

Social Studies: AP/DE US & Comparative Government, AP/DE U.S. History, AP Psychology, AP World History, AP Macro & Micro Economics, AP Human Geography

Science: AP Biology, AP Chemistry, AP Physics C, AP Environmental Science, DE Independent Science Research,

World Languages: AP French Language, AP German Language, AP Latin, AP Spanish Language, ASL Honors

Fine Arts: AP Studio Art, AP Music Theory

SPECIAL CURRICULUM FEATURES

ACL: Academies of Loudoun- a selective LCPS program in which the mission of the Academies of Loudoun is to empower students to explore, research, collaborate, innovate, and to make meaningful contributions to the world in the fields of science, technology, engineering and mathematics.

DE: Dual Enrollment and Early Admissions- students may select from classes at Rock Ridge High School, Richard Bland College, or other area colleges to earn both college and high school credits.

V: Virtual High School- courses that are taken online.

AP: Advanced Placement - contains at least first-year college level work.

H: Honors - most rigorous, exceeds grade level norms.

A: Academic - demanding, often exceeds grade level norms.

DE: Dual Enrollment- Our Primary DE Partner is Richard Bland College of William & Mary

Physics

Theatre

English 12

Teacher Cadet

Independent Science Research

Geospatial Science

Since 2015-16 AP Biology, AP Chemistry are also Dual Enrolled

Spanish

Marketing

AP/DE US History

AP/DE US Government

Class Rank

All students pursuing a Standard, or Advanced Studies Diploma are ranked.

Class Rank is reported on the student's transcript.

Non-graded and Pass/Fail classes are excluded from rank.

AP and DE courses receive 1.0 weighting.

AOS and Honors receive .5 weighting.

Grading System beginning 2009-2010 school year:

A+ 98-100=4.3	C+ 77-79=2.3	F 0-59=0.0
A 93-97=4.0	C 73-76=2.0	
A- 90-92=3.7	C- 70-72=1.7	
B+ 87-89=3.3	D+ 67-69=1.3	
B 83-86=3.0	D 63-66=1.0	
B- 80-82=2.7	D- 60-62=.7	

LOUDOUN COUNTY PUBLIC SCHOOLS NOTICE OF CONFIDENTIALITY OF RELEASED STUDENT RECORDS: The attached scholastic records are released to you under allowable provisions of Public Law 93-380 Section 438 on the condition that you will not permit any other party to have access to these records or will not release the information contained therein in personally identifiable form to any other party without written consent of the student (if 18 years of age or older or attending an institution of post-secondary education) or the parents of the student (if under 18 years of age and not attending an institution of post-secondary education).

Loudoun County Public Schools closed on March 12, 2020 during the 3rd quarter due to the COVID-19 pandemic. Beginning April 15, 2020, teachers began teaching new content for 4th quarter through synchronous and asynchronous virtual learning opportunities. Students were given the option to select a final grade of Pass (P) or their calculated grade (A+ h D-).



The Academies of Loudoun opened for the 2018-19 academic year, serving students in the Loudoun County Public School Division. Located in Leesburg, Virginia, 33 miles northwest of Washington, D.C., The Academies of Loudoun merged three LCPS STEM programs into one school: The Academy of Engineering and Technology, the Academy of Science, and Monroe Advanced Technical Academy (MATA). LCPS high schools are accredited by the Southern Association of Colleges and Secondary Schools and the Virginia Board of Education. The Academies of Loudoun is a member of the National Association of College Admission Counselors (NACAC) and complies with the NACAC Code of Ethics and Professional Practices. The Academies of Loudoun is also a member of the National Consortium of Secondary STEM Schools (NCSSS).

STUDENT POPULATION 2020-2021

9th Grade	275
10th Grade	314
11th Grade	728
12th Grade	718
Total	2035

POST-HIGH SCHOOL EDUCATION PLANS CLASS OF 2020

	AOS	MATA	AET
4-year College	97%	48%	95%
2-year College	2%	18%	< 1%
Other Education		1%	< 1%
Military Work		1%	6%

SAT MEAN SCORES 2019

	Total	ERW	Math
National	1039	524	515
State	1113	564	548
AOS	1512	739	773
MATA	1150	583	567

ACT MEAN SCORES 2019

	Composite Score
National	20.7
State	24
AOS	33.9
MATA	23.5

ENROLLMENT BY ETHNICITY/RACE

Asian	46%	Multiracial	3%
Black/African-American	5%	White	36%
Hispanic	10%	Other	<1%

ECONOMICALLY DISADVANTAGED

Yes	3%	No	97%
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ADMISSIONS

Students are offered admissions through a highly competitive process. Students and their parents/guardians must be residents of Loudoun County at the time of their application. Students are selected on the basis of a review of their application, test scores, transcripts, teacher recommendations, and admissions assessments. Student motivation and a passion for STEM are some of most valuable characteristics of successful applicants. Highly motivated students who are consistent, dedicated learners have the greatest chance of success.

AP COURSES OFFERED 2020-2021

Mathematics	Calculus AB, Calculus BC, Computer Science
Science	Biology, Chemistry, Physics, Environmental Science

DUAL ENROLLMENT COURSES OFFERED 2020-2021

AET	Entrepreneurship I, II
AOS	Multivariable Calculus
MATA	Intro to Health & Medical Science
	Medical Lab Technology I, II
	Radiology Technology I
	Pharmacy Technology I
	Environmental Plant Science
	Administration of Justice I, II
	Computer Integrated Engineering and Design I
	Cybersecurity I, II
	Welding I, II, III

HONORS COURSES OFFERED 2020-2021

All AET and AOS courses are Honors level unless designated AP or DE.
 MATA Honors Courses: CISCO, Computer & Digital Animation I, Emergency Medical Technician, Computer Integrated Engineering and Design II, Pharmacy II, Radiology II

SPECIAL CURRICULUM FEATURES

History & Mission - The mission of the Academies of Loudoun is to empower students to explore, research, collaborate, innovate, and to make meaningful contributions to the world in the fields of science, technology, engineering and mathematics.

- The **Academy of Engineering & Technology (AET)** program (established in 2016) strives to provide academic STEM (Science, Technology, Engineering and Mathematics) pathways for students to engage in the study of engineering, information technology, and entrepreneurship. Students in the AET program will develop their creative and enterprising capacities, engage in engineering and research projects.
- The **Academy of Science (AOS)** program (established in 2005) strives to provide students the opportunity to deeply engage in mathematics, science, and research, to promote creativity and innovation through problem solving and collaboration.
- The **Monroe Advanced Technical Academy (MATA)** program, a Virginia Governor's STEM Academy, (originally established in 1978) strives to provide significant and relevant learning in Career & Technical Education (CTE) which allows students to explore and innovate while preparing for 21st century college and careers. Many of these courses are dual enrolled with Northern Virginia Community College, and all courses involve industry certification or credential exams.

Advanced Placement (AP) – Contains at least first year college level work. Students may receive college credit from post-secondary institutions through completion of AP exams. AP courses receive a weight of 1.0.

Dual Enrollment (DE) – Students may select from classes at Northern Virginia Community College or other colleges to earn both college and high school credits. Dual Enrollment courses receive a weight of 1.0.

Honors (H) – Most rigorous; exceeds grade level norms. Honors courses

TOP COLLEGES ATTENDED BY 2020 GRADUATES

AOS	MATA	AET
University of Virginia	Northern Virginia CC	University of Virginia
Virginia Tech	Virginia Tech	Virginia Tech
UC Berkeley	VA Commonwealth	Georgia Tech
Carnegie Mellon	George Mason	George Mason
Duke University	Virginia Tech	University of Illinois
Georgia Tech	Old Dominion	University of Pittsburgh
University of Maryland	Radford	Virginia Commonwealth
Northeastern	Christopher Newport	Purdue
University of Pennsylvania	Penn State	Duke
Stanford University	Brigham Young	University of Michigan

AWARDS AND DISTINCTIONS

National Merit Semi-Finalists	
National Merit Commended	
Merit Based Scholarship Awards	Academies of Loudoun \$6,996,365
Industry Certifications/ Credentials 2020	MATA Interrupted Testing Due to COVID19

COUNSELORS

- Mr. Anthony Bauer, Director of School Counseling
- Ms. Amy Burgess, Counselor
- Ms. Anna Rizzo, Counselor
- Ms. Beth Doyle, Counselor
- Ms. Michelle Trudel, Counselor

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Loudoun County Public Schools

School Counseling Services
21000 Education Court
Ashburn, VA 20148
571-252-1017

School Counseling Supervisor
Dr. Tracy Jackson, NCC, NCSC, ACS

School Counseling Specialist
Mrs. Heather Ross

Loudoun County, located in the Commonwealth of Virginia boasts a population of approximately 402,561, making it Virginia's third-most populous county. Loudoun County is part of the Washington–Arlington–Alexandria, DC–VA–MD–WV Metropolitan Statistical Area. Loudoun County is home to Dulles International Airport and numerous technology companies, as 70% of the world's internet traffic flows through the county's 520 square miles.

Geographically, it is bounded on the north by the Potomac River; the south by Prince William and Fauquier Counties, on the west by the Blue Ridge Mountains; and on the east, by Fairfax County. It is the home of seven colleges and universities.

Loudoun County Public Schools serves over 82,500 students within 92 schools and two centers, the Academies of Loudoun and Douglass Center. Currently, the division consists of 16 high, 1 intermediate, 16 middle and 59 elementary schools (including two charter schools) utilizing a K-5, 6-8, 8-9, 9-12 grade-level configuration. In addition, it services Pre-Kindergarten and adult education programs. The student body is culturally diverse with a population that is 47% White, 22% Asian, 18% Hispanic, 7% African American, and 5% Multi-Racial, <1% American Indian with 19% Economically Disadvantaged, 17% English Learners, and 11% students with disabilities. Students in Loudoun County Public Schools come from 143 countries and speak 118 different languages.

Curriculum

Loudoun County Public Schools offers a robust selection of courses including: regular, honors, advanced placement, dual enrollment, special education and courses for English Learners. The Academies of Loudoun offers courses through the following programs: Academy of Science, Academy of Engineering and Technology and Monroe Advanced Technical Academy. Please see the 2019-2020 Program of Studies <http://bit.ly/33Qu9Ik> for more information.

Grading Scale

A+	98-100	4.3	C	73-76	2.0
A	93-97	4.0	C-	70-72	1.7
A-	90-92	3.7	D+	67-69	1.3
B+	87-89	3.3	D	63-66	1.0
B	83-86	3.0	D-	60-62	0.7
B-	80-82	2.7	F	0-59	0.0
C+	77-79	2.3			

X = Exempt, G = Ungraded, P = Passed, N = Not Passed, I = Incomplete, WP = Withdrawn Passing, WF = Withdrawn Failing

GPA Calculation and Class Rank

Grade point average and class rank include all classes for which high school credit bearing courses was earned or could have been earned. Advanced Placement classes are given a weight at 1.0. High school Honors classes are weighted at 0.5. For the graduating class of 2019 and prior, Dual Enrollment classes are weighted at 0.5; for the

graduating class of 2020 and beyond, Dual Enrollment classes are weighted at 1.0.

Post High School Graduation Class of 2019

4-year college	67%
2-year college	21%
Other education	3%
Military	2%
Employment/Gap Year	7%

SAT/ACT MEAN SCORES, Class of 2018

	<u>ERW</u>	<u>Math</u>	<u>ACT Composite Score</u>
National	531	528	20.8
Virginia	567	551	23.8
LCPS	595	585	24.8

Graduation Requirements for students who entered 9th grade through 2017-2018

Advanced Studies Diploma	Required Units
English	4
Math	4
Social Sciences	4
Laboratory Science	4
World Language	3
Health and Physical Education	2
Fine Art or CTE	1
Economics & Personal Finance	1
<u>Electives</u>	<u>3</u>

Total Credits (9 verified units of credit) 26

**Students entering 9th grade in the 2018-2019 school year and beyond will need to earn 5 verified units of credit)*

Standard Diploma	Required Units
English	4
Math	3
Social Science	3
Laboratory Science	3
Health and Physical Education	2
World Language, Fine Art or CTE	2
Economics & Personal Finance	1
<u>Electives</u>	<u>4</u>

Total Credits (6 verified units of credit) 22

**Students entering 9th grade in the 2018-2019 school year and beyond will need to earn 5 verified units of credit.*

Diplomas Awarded, Class of 2019

Advanced Studies	73%
Standard and Other Diplomas	25%
GED, Certificates and Other Non-Grads	2%

Class of 2019 Scholarship Information

Total amount offered: \$45,330,945.00

Total amount accepted: \$63,186,640.00